

GR16D Floor High Speed Refrigerated Centrifuge



Product Characteristics

- ◆ 3D HD LCD full touch screen plus multi-function knob Home key .
- ◆ 15 kinds of accelerate and decelerate control.
- ◆ The user can set the password to lock the host or parameters to prevent misoperation.
- ◆ One key precooling and instantaneous centrifugation functions are provided.
- ◆ Can store 99 groups of program , 99 use records and fault records can be traced.
- ◆ Two timing modes are available, starting timing and reaching speed timing.
- ◆ High torque variable frequency motor, free of maintenance.
- ◆ Ultra quiet refrigeration compressor unit, the temperature can be controlled below – 5 °C under the upper limit speed.
- ◆ With Food grade integrated silicone sealing ring and high quality hydraulic rod. Full automatic identification system and electronic self-priming door lock.
- ◆ The humanized design is convenient and quick to operate, the parameter setting is directly digital input, and the intelligent status prompt is accurate to one digit.
- ◆ Over speed, over temperature, over current, over voltage, and over temperature etc protection functions.
- ◆ Unique noise reduction system.



Self-developed HMC system

- » 15 kinds of accelerate and decelerate control.
- » Can store 99 groups of program , 99 use records and fault records can be traced.
- » Two timing modes are available, starting timing and reaching speed timing.
- » Password lock function, users can set password to lock the host or parameters to prevent misoperation.
- » One key precooling.
- » Humanized design, convenient and fast operation with Electronic manual.



Touch Screen

Technical Parameter

Model	GR16D		
Max Speed	16000rpm	Voltage	AC 220 ± 22V 50Hz 20A
Max RCF	27762 × g	Power	2300W
Max Capacity	4 × 1000ml	Noise Level	65dB (A)
Timer	1s~99h59min59s	Size	560 × 750 × 820mm
Revolutions/min	± 10r/min	Net Weight	155Kg
Temp Range	-20°C ~40°C	Rotor automatic recognition	Yes
Temp Accuracy	± 1.0°C	/	/

Rotor Parameters

Rotor NO.	Rotor Pictures	Rotor Capacity (ml)	Max Speed (r/min)	Max RCF (× g)
Angle Rotor				
1		48 × 1.5/2.0ml Double row	16000rpm	27762 × g
2		30 × 1.5/2.0ml Single row	15500rpm	26859 × g
3		18 × 5ml Single row	15000rpm	22010 × g
4		8 × 50ml Conical/round bottom	12000rpm	18160 × g
5		6 × 100ml	11000rpm	14745 × g
6		12 × 50ml Conical/round bottom	10000rpm	15383 × g
7		6 × 250ml	10000rpm	15093 × g

4 × 1000ml Swing-out Rotor



- » Many adapters are selected for centrifugation of 0.2ml to 1000ml centrifuge tubes, reagent bottles and working plates.
- » Universal hanging basket and universal adapter design can accommodate working plate and centrifuge tube at the same time.
- » Save the purchase cost, without additional work plate hanging basket.
- » The basket and adapter can be sterilized under high temperature and pressure.




Tube Adapter:
4 × 10 × 50ml



Tube Adapter:
4 × 24 × 15ml



Micro-plate
Adapter:
4 × 2 × 96 Hole

Rotor NO.	Rotor Pictures	Rotor Capacity (ml)	Max Speed (r/min)	Max RCF (× g)
Swing-out Rotor				
8		4 × 1000ml	4200rpm	3940 × g
Adapters	4 × 2 × 96 Micro-plate hole basket		4 × 500ml Conical bottom	
	4 × 10 × 50ml Conical/round bottom		4 × 250ml Conical bottom	
	4 × 24 × 15ml Conical/round bottom		8 × 250ml Round bottom	
	4 × 750ml Round bottom		140 × 10ml (Blood collection tube)	
	4 × 500ml Round bottom		196 × 2-7ml (Blood collection tube)	